An Overview of Online Learning Ecosystems

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Objectives

- Differentiate the learning ecosystems developed by Google and Microsoft
- Evaluate the use of learning management systems
- Review applications for formative and summative assessments

Starter

1. Do you think online learning is the future of education?

More Details

Yes	58
No	9
Maybe	31

Keywords to Know

Asynchronous learning	• refers to the idea that students learn the same material at different times and locations
Synchronous learning	• refers to a learning event in which a group of students are engaging in learning at the same time
Blended learning	• online + classroom based interactions

Educational Practices in Bahrain

Curriculum – autonomous

Blended learning – computer lab in timetable / anywhere anytime learning

Paperless Assessments – computer labs for assessments

Online Learning Ecosystem

An online learning ecosystem is the combination of applications and solutions used to deliver, manage, and track learning.

Google's Ecosystem

Google Search	Gmail	Drive	Docs
Sheets	Slides	Forms	**Classroom**

Transition to Microsoft's Ecosystem

To get started using Microsoft ecosystem as my daily driver, I created a Microsoft account.

I bought myself an Office 365 with 1 Terabyte for files and photos on OneDrive.

Microsoft's Ecosystem

Bing Search	Outlook email	OneDrive	Word
Excel	PowerPoint	Forms	**OneNote**

Online Learning Ecosystems

Stage 1 (asynchronous)	Google Classroom, Edmodo, Schoology, Moodle (blended learning platforms)
Stage 2 (synchronous)	Microsoft – Teams + SharePoint Google – Meet + Google Classroom
Stage 3 (Hybrid)	Google – G Suite for Education Microsoft – Office 365 for Education

Microsoft vs Google

G Suite vs Office 365 - for Education

A G Suite for Education account is a Google Account created and managed by a school for use by students and educators.

Students and educators at eligible institutions can sign up for Office 365 Education, including Word, Excel, PowerPoint, OneNote, and now Microsoft Teams.

G Suite	Office 365
Docs	Word
Sheets	Excel
Slides	PowerPoint
Forms	Forms
Gmail	Outlook
Google Drive	OneDrive
Google Sites (sort of)	SharePoint
Google Keep (sort of)	OneNote
Google Meet	Microsoft Teams
Google Classroom	

G Suite vs Office 365 for Education

Assessments in Online Learning

Formative

Quizizz

Kahoot

Quizlet

Summative

Moodle – **Written**

Microsoft Teams – **Presentations**

Turnitin – **Similarity Reports**

Moodle Question Types
MCQ
True/False
Drag and drop (fill in)
Drag and drop onto image
Matching
Short Answer
Essay
Cloze
Drop down

Quiz – Question types in Moodle

Quiz – Question types in various applications

Question Types	Synchronous		Asynchronous	
	Google	Microsoft	Edmodo	Schoology
MCQ	✓	✓	✓	✓
True/False			✓	✓
Fill in			✓	✓
Matching			✓	✓
Short Answer	✓	✓		
Paragraph	✓	✓		✓
Ordering				✓
Checkboxes	✓			
Dropdown	✓			

Take-Aways

Blended learning – Individual – LMS – Google Classroom, Schoology, Edmodo

Blended learning – Curriculum/Institution – Moodle/Turnitin

Online synchronous learning – Curriculum/Institution – Office 365 (Microsoft Teams) or G Suite

Let's Quizizz

https://quizizz.com/admin/quiz/5edded7a7b986e001bbb004d

References

- https://blog.usejournal.com/migrating-to-microsoft-ecosystem-from-google-ecosystem-b57410e35416
- https://www.cbsnews.com/news/how-googles-ecosystem-changes-everything/
- https://www.microsoft.com/en-us/education/products/office/default.aspx
- https://edtechmagazine.com/k12/article/2019/02/google-classroom-and-microsoft-teams-education-find-blended-learning-tool-works-best-perfcon
- https://edu.google.com/products/gsuite-for-education/?modal_active=none
- https://www.brucebnews.com/2018/08/the-google-ecosystem-you-will-be-assimilated/
- https://www.financialexpress.com/industry/technology/teams-is-not-a-tin-sheet-hut-but-a-complete-fort-with-a-lot-more-functionality-microsoft-on-rivals-google-meet-zoom-others/

Thank you

Discussion

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